

FIG. 1a

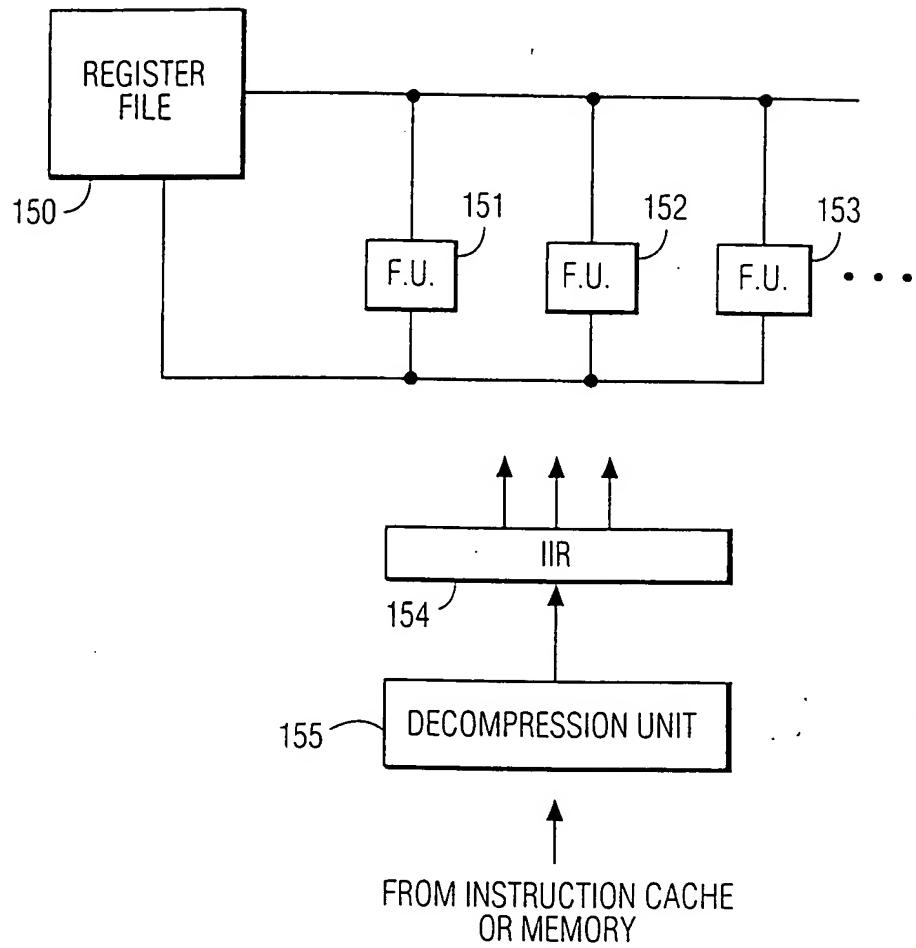


FIG. 1b

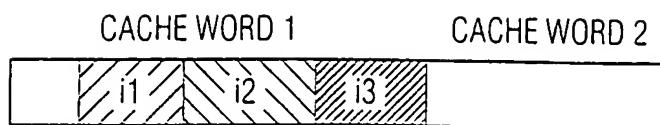


FIG. 2a

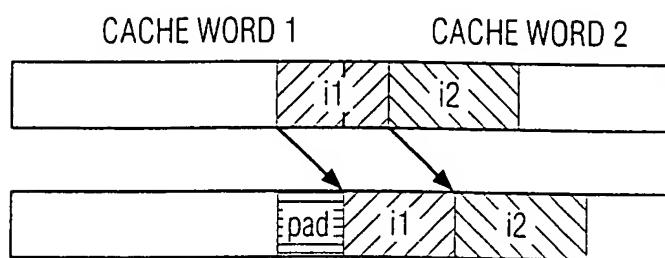


FIG. 2b

FIG. 2c

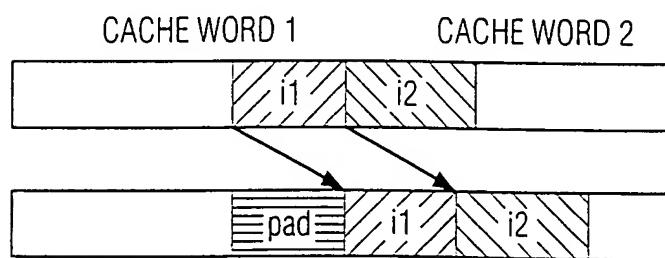


FIG. 2d

FIG. 2e

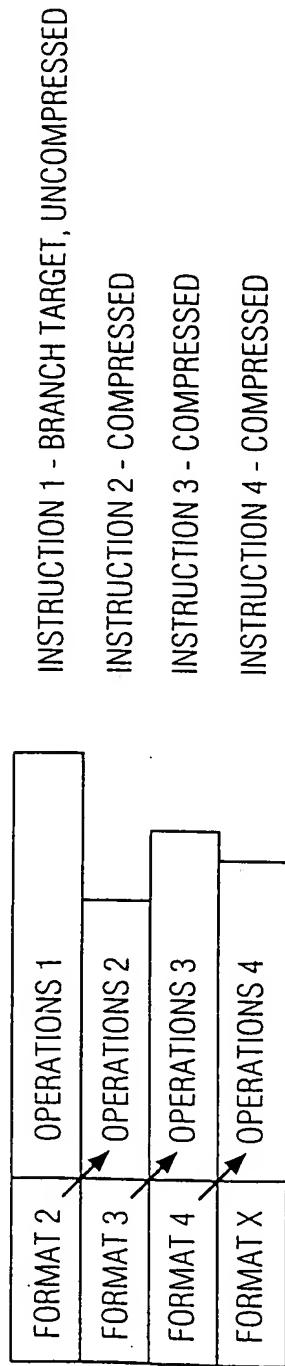
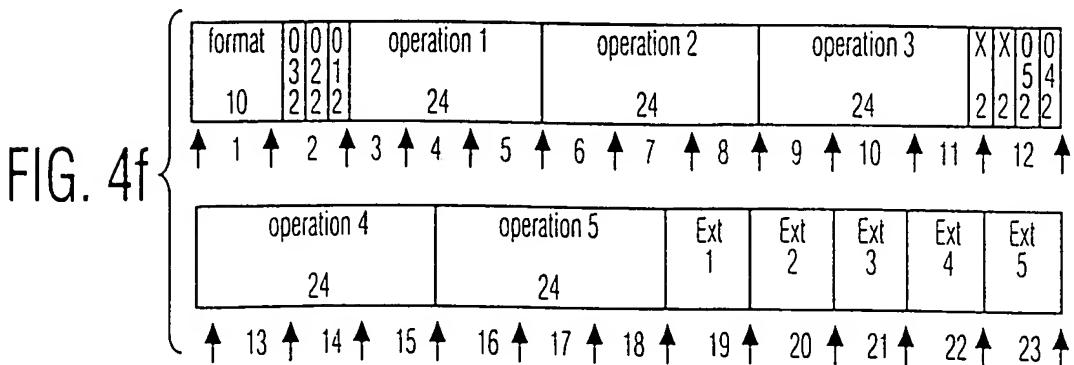
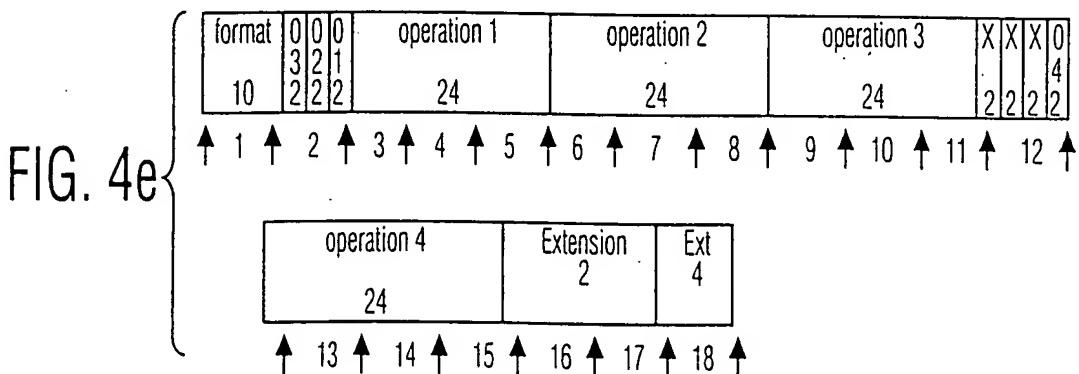
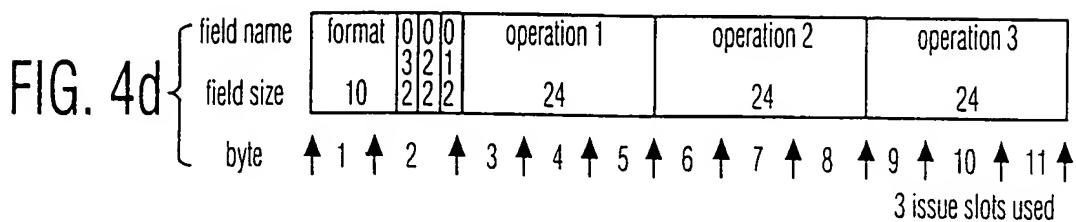
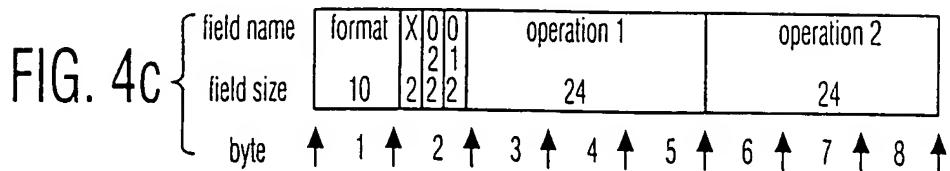
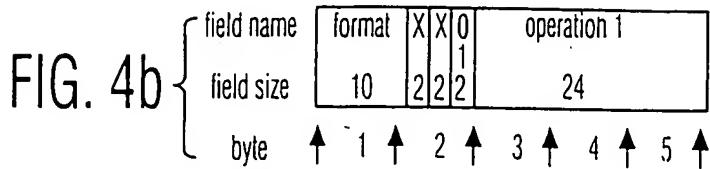
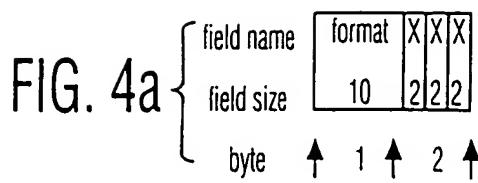


FIG. 3



	24-bit operation part				2-bit part	Extension	Size
	bit position						
Name	0-6	7-13	14-20	21-23	24-25	26-34	41
26-format:							
<binary-unguarded-short>	src1[0:6]	src2[0:6]	ds1[0:6]	opcode[0:2]	opcode[3:4]		26
<unary-param7-unguarded-short>	src1[0:6]	param[0:6]	ds1[0:6]	opcode[0:2]	opcode[3:4]		26
<binary-unguarded-param7-resultless-short>	src1[0:6]	src2[0:6]	param[0:6]	opcode[0:2]	opcode[3:4]		26
<unary-short>	src1[0:6]	ds1[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]		26
34-format:							
<binary-short> iadd,etc.	src1[0:6]	src2[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]	ds1[0:6] 0	34
<unary-param7-short>	src1[0:6]	param[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]	ds1[0:6] 0	34
<binary-param7-resultless-short>	src1[0:6]	src2[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]	param [0:6] 0	34
<binary-unguarded>	src1[0:6]	src2[0:6]	ds1[0:6]	opcode[0:2]	opcode[3:4]	opcode[5:7]X1011	34
<binary-resultless>	src1[0:6]	src2[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]	opcode[5:7]X1001	34
<unary-param7-un-guarded>	src1[0:6]	param[0:6]	ds1[0:6]	opcode[0:2]	opcode[3:4]	opcode[5:7]SL111	34
<unary>	src1[0:6]	ds1[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]	opcode[5:7]XL101	34

FIG. 5a

42-format:					
<binary-param7-resultless>	src1[0:6]	src2[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]
<binary>	src1[0:6]	src2[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]
<unary-param7>	src1[0:6]	param[0:6]	guard[0:6]	opcode[0:2]	opcode[3:4]
<tertary-param32>	param[7:13]	param[0:6]	dsrl[0:6]	param[14:16]	param[17:18]
<zeroary-param32-resultless>	param[7:13]	param[0:6]	guard[0:6]	param[14:16]	param[17:18]
<zeroary-param32-resultless>	param[7:13]	param[0:6]	guard[0:6]	param[14:16]	param[17:18]

Note:

S: signed/unsigned formal bit for parametric operations; S=1 if signed, S=0 if unsigned  
 L: latency formal bit; L=0 if (latency=1 and this is not a resultless operation) else L=1  
 X: undefined value

FIG. 5b

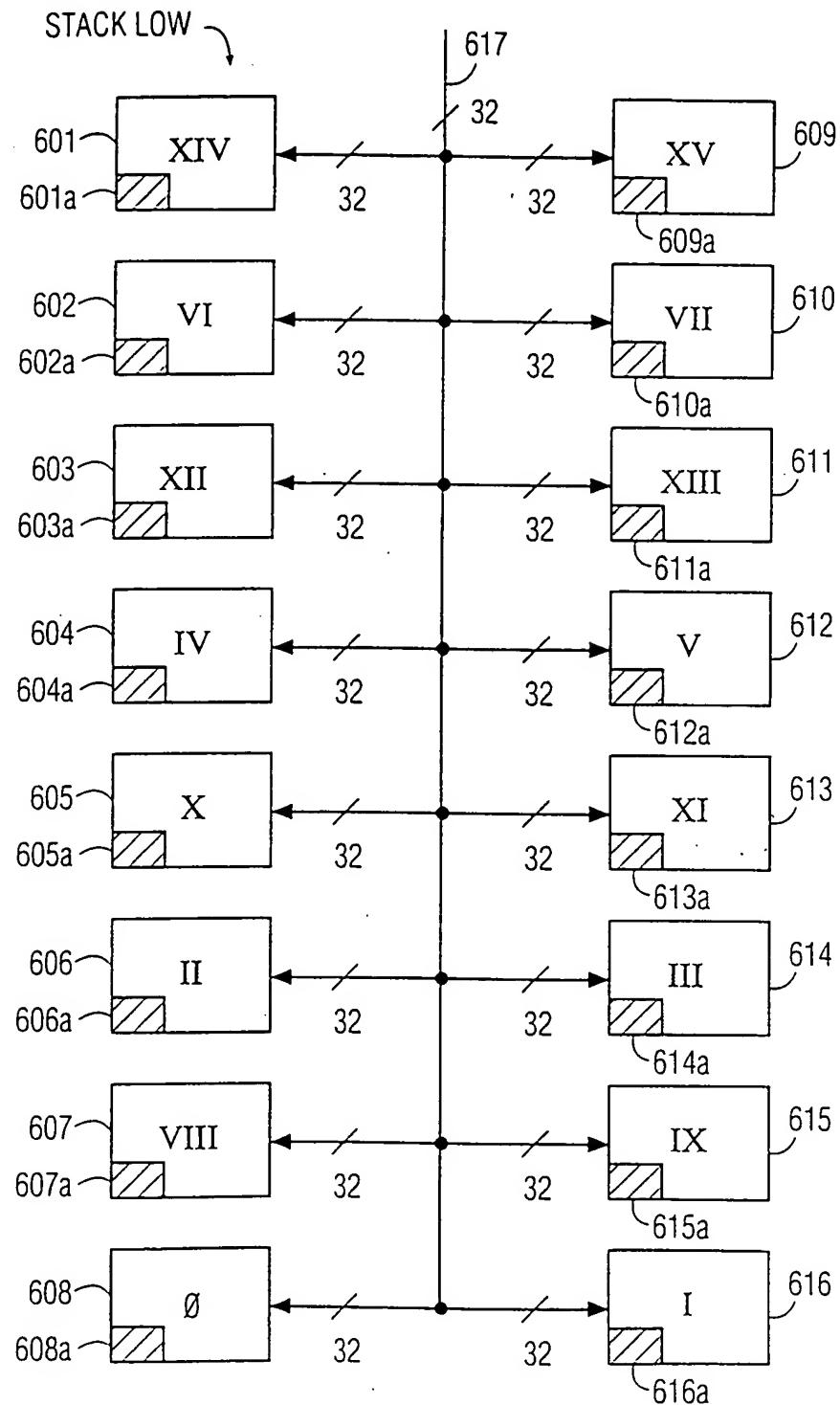


FIG. 6a

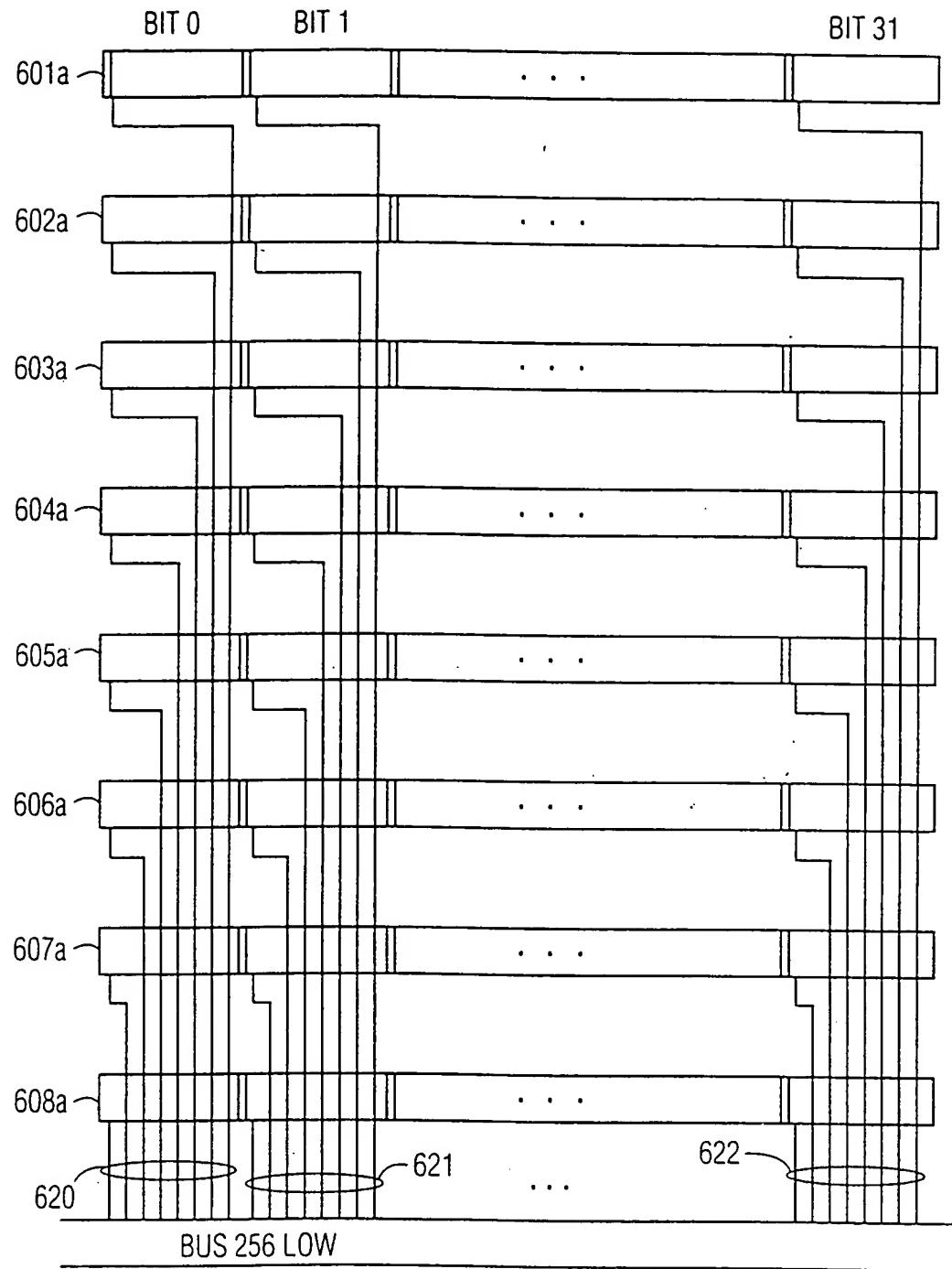


FIG. 6b

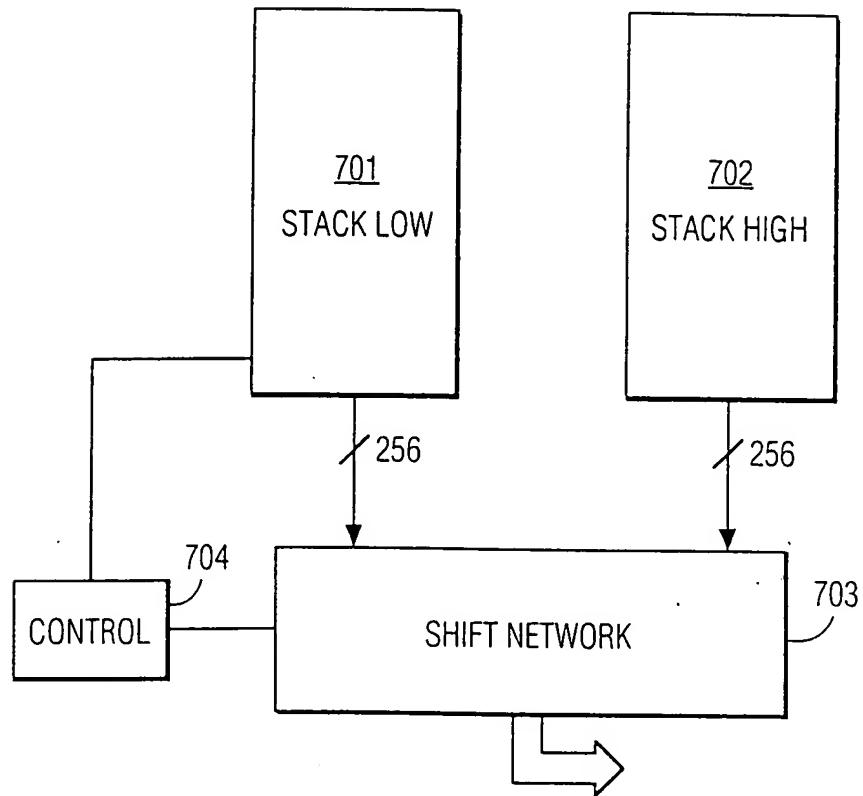


FIG. 7

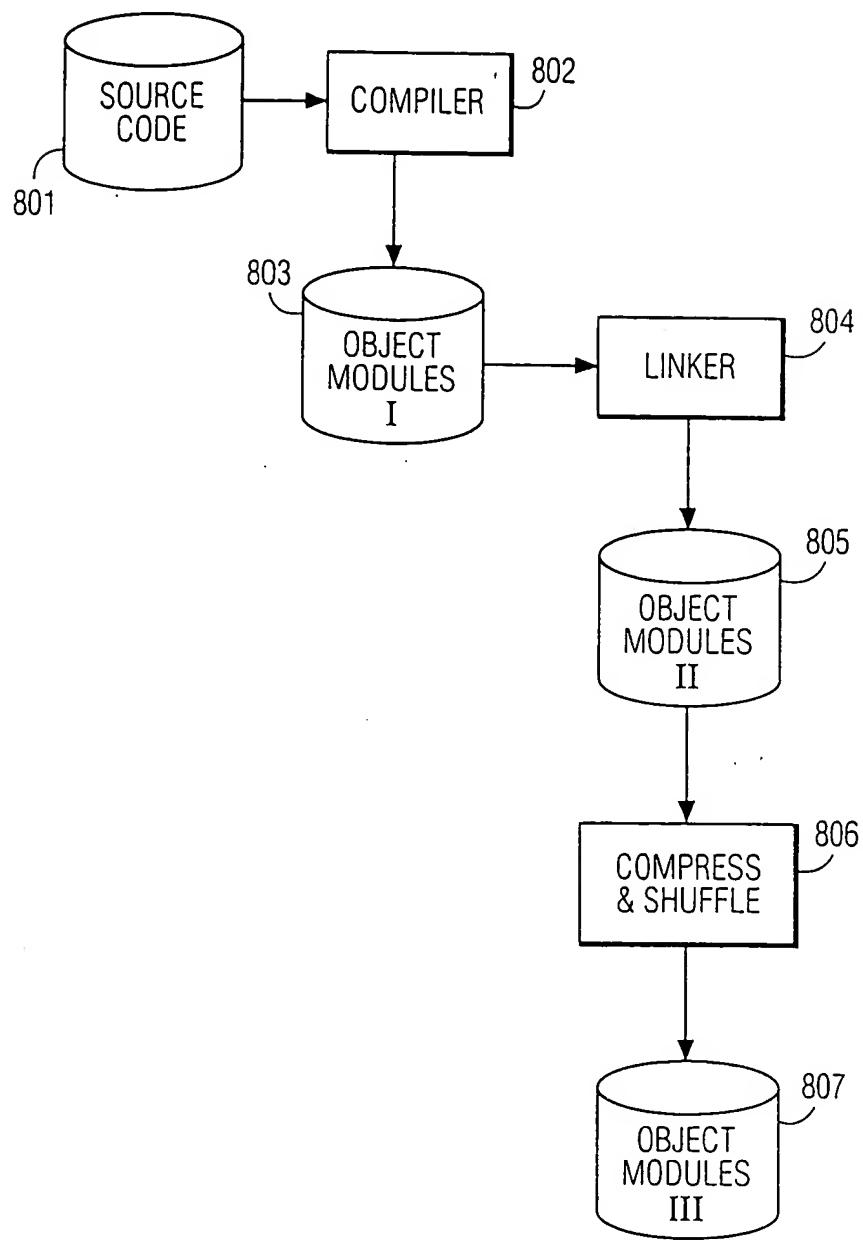


FIG. 8

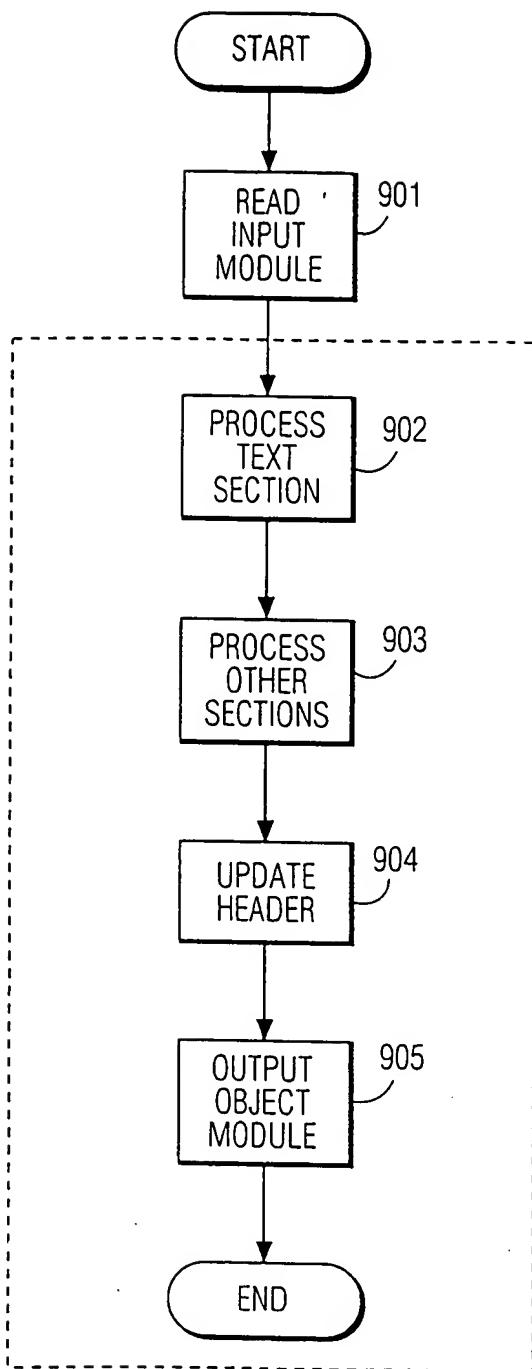


FIG. 9

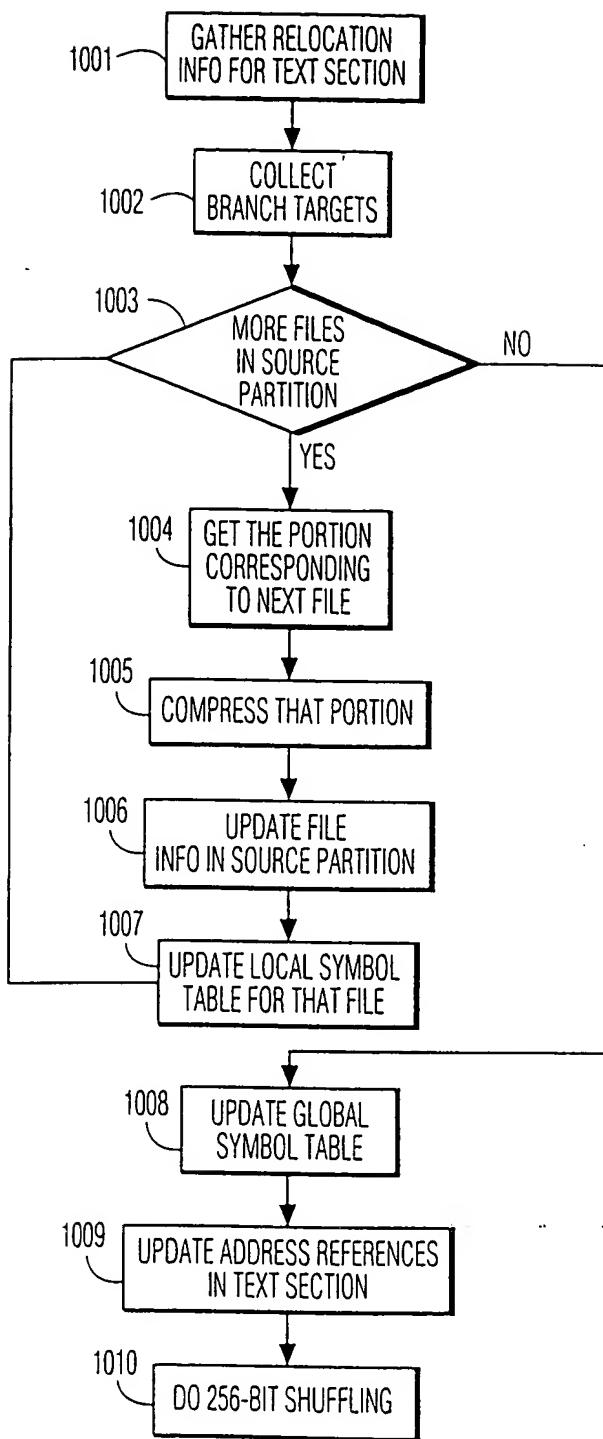


FIG. 10.

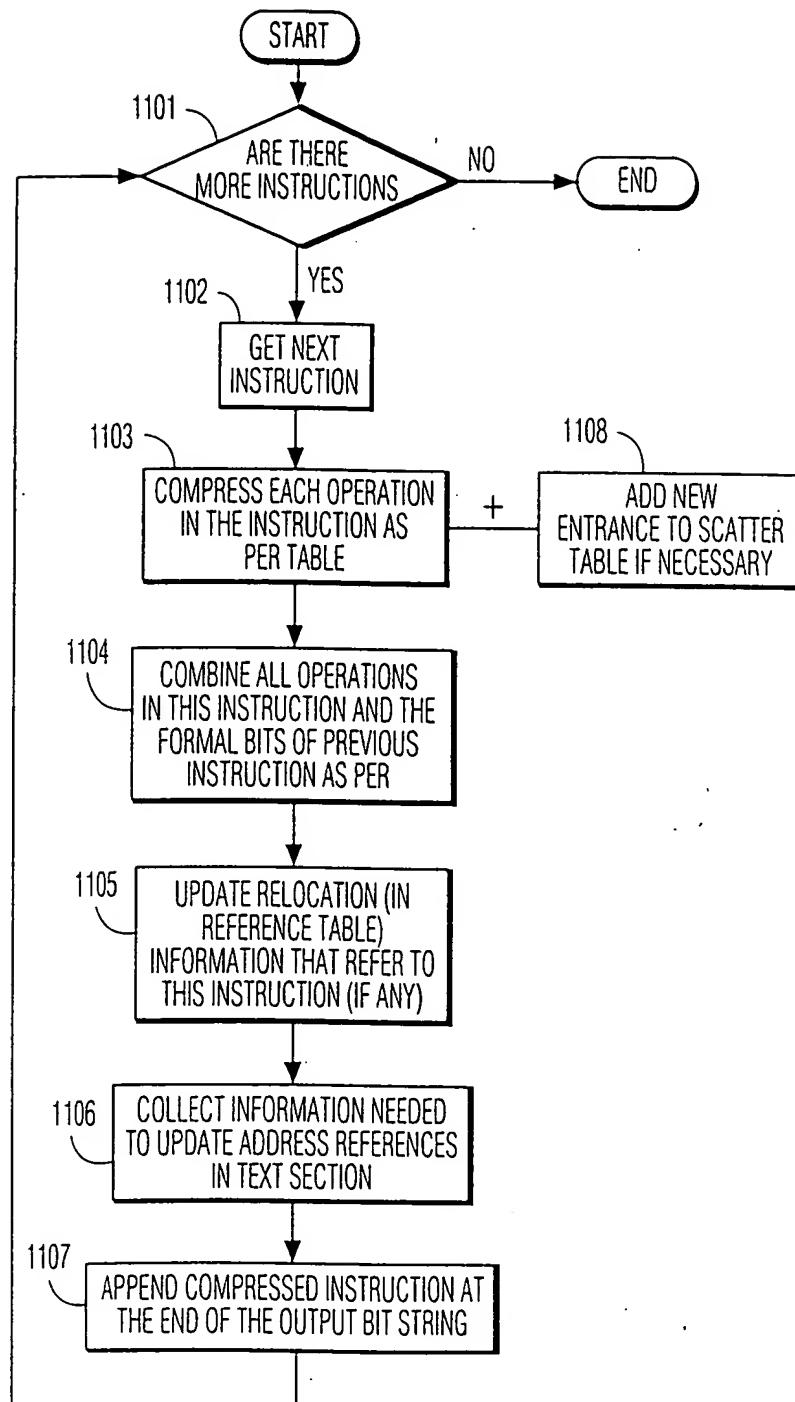


FIG. 11

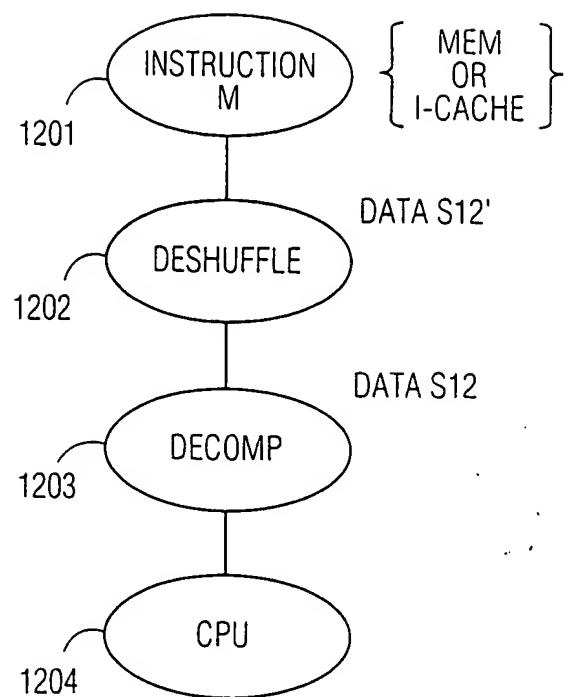


FIG. 12